

Title (en)  
Ink jet print head

Title (de)  
Tintenstrahlkopf

Title (fr)  
Tête à jet d'encre

Publication  
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Application  
**EP 96106318 A 19960422**

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Abstract (en)  
Described is an ink jet print head which prevents the generation of ink mist by supplying a signal to a piezoelectric vibrator (9) which causes a pressure generating chamber (3) to expand by a volume smaller than the volume expanded to jet out an ink droplet, when the vibration of the meniscus generated after jetting out an ink droplet moves to the position closest to the pressure generating chamber (3). When the vibration of the meniscus generated after jetting out an ink droplet goes to the nozzle hole (2), the pressure generating chamber (3) is expanded again, to effectively attenuate the kinetic energy of the meniscus and to hold the meniscus at a position suitable for jetting out the next ink droplet. <IMAGE>

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Cited by  
EP1106356A1; US6120120A; EP0899103A3; EP1023997A3; EP1093916A3; US6161912A; EP0841164A4; EP0864425A1; US6074033A; EP0919382A3; EP1055517A3; CN103946025A; GB2530977A; EP1093917A1; EP0963845A1; EP1270224A3; US7073878B2; US6494554B1; US10350882B2; US6478395B2; US9738067B2; US6840595B2; US6450603B1

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